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DATA SHEET

COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 1.0 GHz

3401.02.A

Properties

- Broadband frequency operation from DC to 1 GHz
- Gas discharge tube replaceable and not included
- DC/AC remote powering via coaxial same cable
- Surge current handling capability 30 kA once and 20 kA multiple
- Semper self-extinguishing functionality optional



Product configuration	
Main path connectors	Port 1: unprotected, BNC jack (female)
	Port 2: protected, BNC jack (female)
Mounting and grounding	MH12 (bulkhead mounting)
Side of bulkhead	protected side
EMP can be install reversed	YES

Interface and material data	
Housing material / plating	Brass / SUCOPLATE (R) Plating
Center contact, material / plating	Port 1: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)
	Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)

Electrical data	
Impedance	75 Ω
Frequency frame	0 MHz to 1000 MHz
Return loss typical	≥ 15 dB
Insertion loss typical	≤ 0.2 dB
CW power frame	≤ 100 W
Residual pulse energy (typ.)	350 µJ (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
Residual pulse voltage (typ.)	650 V (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
Surge current handling capability	30 kA single, 20 kA multiple (test pulse 8/20 µs)

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Electrical bands	
	Range 1
Frequency range	0 MHz ... 400 MHz
Return loss typical	20.8 dB
Insertion loss	0.1 dB
Power avg. / peak	100 W / -
PIM 3rd order	0 dBc

Electrical remarks	
Gas tube	Yes DC, GDT not included
Electrical remarks	Data refer to GDT 9071.99.0547, 230 V

Mechanical data	
Weight	79 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Thermal shock according	MIL-STD-202, Method 107, Cond. B
Vibration according	MIL-STD-202, Method 204, Cond. D
Moisture resistance according	MIL-STD-202, Method 106

Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
22642664	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead

Comment	
NATO Stock Number	1450-23-113-7610
	5920-12-338-0883

Ordering Information Table	
Item number	Item description
22642664	3401.02.A

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DOCUMENT PIM-P2037 / Date of publication: 03.03.2025 / uncontrolled copy